SIR GEORGE WILLIAMS UNIVERSITY

PROPOSED TELEVISION FACILITIES

Location: Henry F. Hall Building, Sir George Williams University.
14 floor high rise complex 1455 Burnside Street, Montreal.

Spaces: 41 lecture rooms - 50 and 40 seat.
10 auditoria, 6-100, 2-200, 1-350, 1-650.
1 Theatre - professional stage.
14 seminar rooms - 20 seat.
12 reading rooms.
1 Instructional Media Centre - 16 room complex includes T.V. facilities and large studio.

laboratories for science and engineering.
1 cafeteria and food service floor.
faculty and student lounges.
faculty offices
student affairs offices.
1 Religious Center including offices and meditation room.

Capacity: Main academic facilities for the Faculties of Arts, Science, Engineering, and Commerce with a student population of 5,000 day and 10,000 evening.

T.V. Facilities:

I. Distribution

a) by coaxial cable from the Television Center will be possible in all lecture rooms, auditoria, theatre, food service floor, seminar rooms. Laboratories and faculty offices can be added to the system if and when required.

b) using the Jerrold J. Jack system it will be possible to originate a program or demonstration at any receiver outlet.

c) all auditoria have their own internal distribution for image magnification, live experiments or demonstrations. The rooms also form part of the major T.V. system.

d) Conduit risers connect all floors vertically with the T.V. Center. Lateral distribution will be through cable trays above the hung ceiling. This feature provides for flexibility.

e) An RF system, designed by the Jerrold Corp., is proposed which provides 6 simultaneous telecasts

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from the T.V. Center. In addition one video feed will pass on the same wire and three other programs on sub carriers can pass in either direction.
Each floor can be fed separately, thus providing flexibility.

II. Origination

a) Television Center includes - 44' x 51' studio, control rooms, announce booth, videotape and telecine, tape library, office and technicians' workshop.
A dual camera chain, using vidicon or plumbicon cameras, telecine and videotape will be used.

b) Lecture studio - a 50 seat classroom will be equipped with a dual camera chain, portable videotape recorder.

c) Off air - two off air channels, initially, can be fed into the system.

d) Remote units - small cameras and videotape recorders will be used for originating material in labs, classrooms, etc.

e) Film distribution - either for classroom use or faculty preview is possible in this system.

III. Reception

a) All classrooms are supplied with flush mounted receptacles using the Jerrold J-Jack. Two monitors will be wall mounted in each classroom.

b) Seminar rooms are equipped with one Jerrold J-Jack and will be supplied with portable monitors as required.

c) Auditoria are supplied with receptacles providing for monitors to be located in predetermined viewing positions throughout the auditoria. Television projectors operating on rear screen surfaces are provided for in the plan but the decision to use them will be determined on location.
Monitors used in the auditoria will be controlled through a single timer located at the instructor's desk. Video monitors will be supplied by video feed from the timer.

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Educational Objectives:

The system has been designed to provide for flexible use in the instructional program and to accomplish the following objectives:

1) Provide a flexible "large group instruction" medium in addition to the auditoria of fixed size.

2) Provide for live demonstrations, in a traditional lecture setting, of phenomena that would otherwise be unavailable.

3) Provide for recorded lectures, demonstrations, experiments, etc., for use at more convenient hours. These may be recorded in studios, laboratories, etc., and made available to larger numbers of students than would otherwise be possible.

General Comments:

1. The television system is part of the instructional program of the Instructional Media Office and as such will be used, where appropriate, along with other media.

2. Classes receiving a televised lecture course normally will be located in lecture rooms with 30-40 students per room. Through techniques of discussion sessions, proctors, etc., attempts will be made to personalize the instruction.

3. Two-way audio intercom between classroom and studio will allow for questions from students to be answered "in camera".

4. Initially two people will be responsible for the day to day work. A co-ordinator with professional and academic training, not necessarily in the broadcast industry, will direct the program and produce the telecasts. A technician will be responsible for technical arrangements.
The Graphics and Photographic Units of the Instructional Media Office will serve the television requirements in these areas. Studio cameramen, floor assistants, etc., will be provided by a corps of student assistants.

5. The T.V. system will begin with a small lecture studio and will be completed over a three year program.